

**Commonwealth of Kentucky  
Division for Air Quality**

**PERMIT APPLICATION SUMMARY FORM**

Completed by: Ron Schneider

GENERAL INFORMATION:

Name:	Givaudan Flavors Corporation
Address:	9500 Sam Neace Drive Florence, KY 41042
Date application received:	3/10/2008
SIC Code/SIC description:	2087, Flavoring Extracts and Flavoring Syrups, NEC (flavoring syrups and concentrates except coffee)
Source ID:	21-015-00150
Agency Interest:	4590
Activity:	APE20080002, APE20080003
Permit:	F-08-022

APPLICATION TYPE/PERMIT ACTIVITY:

<input checked="" type="checkbox"/> Initial issuance	<input type="checkbox"/> General permit
<input type="checkbox"/> Permit modification	<input checked="" type="checkbox"/> Conditional major
__Administrative	<input type="checkbox"/> Title V
__Minor	<input type="checkbox"/> Synthetic minor
__Significant	<input type="checkbox"/> Operating
<input type="checkbox"/> Permit renewal	<input type="checkbox"/> Construction/operating

COMPLIANCE SUMMARY:

<input type="checkbox"/> Source is out of compliance	<input type="checkbox"/> Compliance schedule included
<input checked="" type="checkbox"/> Compliance certification signed	

APPLICABLE REQUIREMENTS LIST:

<input type="checkbox"/> NSR	<input checked="" type="checkbox"/> NSPS	<input checked="" type="checkbox"/> SIP
<input type="checkbox"/> PSD	<input type="checkbox"/> NESHAPS	<input type="checkbox"/> Other
<input type="checkbox"/> Netted out of PSD/NSR <input checked="" type="checkbox"/> Not major modification per 401 KAR 51:001, 1(116)(b)		

MISCELLANEOUS:

- ☐ Acid rain source
- ☐ Source subject to 112(r)
- ☒ Source applied for federally enforceable emissions cap
- ☐ Source provided terms for alternative operating scenarios
- ☐ Source subject to a MACT standard
- ☐ Source requested case-by-case 112(g) or (j) determination
- ☐ Application proposes new control technology
- ☐ Certified by responsible official
- ☒ Diagrams or drawings included
- ☐ Confidential business information (CBI) submitted in application
- ☐ Pollution Prevention Measures
- ☒ Area is non-attainment (list pollutants): ozone (8 hour standard), PM 2.5

#### EMISSIONS SUMMARY:

Pollutant	Actual (tpy)	Potential (tpy)
PM/PM <sub>10</sub>	40.58	33.2
SO <sub>2</sub>	0	0.04
NO <sub>x</sub>	0	5.90
CO	0	4.96
VOC	2.84	16.37
Single HAPs	None > 10 TPY	None > 10 TPY
Source wide HAPs	<25 TPY	< 25 TPY

#### SOURCE DESCRIPTION:

Givaudan Flavors Corporation manufactures meat and other type flavors for the food industry. The Givaudan operation in Florence, Kentucky is similar to the processes now in operation at their Cincinnati facility.

**APE20080002** - The proposed increases for maximum product throughputs are as follows: for 01(P01), from 0.5 tons/hr to 0.6tons/hr; for 02(P02), 0.53 tons/hr to 4.5 tons/hr; for 03(P03) and 04(P04), 2.65 tons/hr to 4.5 tons/hr; for 05(P05), 2.65 tons/hr to 9.00 tons/hr.

**APE20080003** - This conditional major permit also incorporates an application, received May 6, 2008, to install two new pollutant sources as follows:

**07(P07)** – A 2,700 lb/hr spray dryer (#1 Spray Dryer) and other associated equipment – The spray dryer will be equipped with a scrubber demister for particulate control and will be exhausted through the existing thermal oxidizer for odor control. The dryer system also includes a drying air fan, product cooling fan, an exhaust fan, and an indirect heater and dehumidifier for the drying air stream.

**08(P08)** – A batching system to feed the spray dryer – The batching system will consist of two super sack dispensing stations, a tote dispensing station, a maltodextrin receiver, and a manual dump station. A dust collector will be used to control emissions from the batching system. The batching system feeds either the batch tank or hold tank, both of which will also be vented to the dust collector to allow for the manual addition of dry materials to either of those tanks.

401 KAR 59:010 applies to emissions from both units. Because the projected controlled emissions from the spray dryer are calculated to be very close to the limit prescribed by 59:010, stack testing by Method 5 is being required.

EMISSIONS AND OPERATING CAPS DESCRIPTIONS:

Givaudan has requested that all particulate control equipment at the source be listed as federally enforceable so that no production limits are necessary to achieve conditional major status.

OPERATIONAL FLEXIBILITY: N/A